# **SIEMENS**

#### Data sheet

### 3RA2135-4UD35-0AP6

product brand name   SIRIUS		Combination Starter Non Reversing Fast Bus FLA Range 32-40A 3 Pole 240VAC Coil S2 Open Type 1NO <(>&<)> 1NC Aux
product designation non-fused motor starter 3RA2 design of the product direct starter  anufacturer's article number  of the supplied contactor of the supplied contactor of the supplied contactor of the supplied users adapter of the supplied users of the supplied users adapter of the supplied users of the	product brand name	
design of the product	·	non-fused motor starter 3RA2
manufacturer's article number  of the supplied contactor of the supplied contactor of the supplied bushar adapter of the supplied bushar adapter of the supplied link module 38A2931-1AA00  General technical data size of the circuit-breaker size of load feeder S2 product extension auxiliary switch yes insulation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 66 /11 ms mechanical service life (operating cycles) of contactor typical type of assignment 2 Ambient conditions ambient temperature during operation during storage during transport  -55 +80 °C  Main circuit number of poles for main current circuit design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage at AC-3 rated value at AC-3 rated value at AC-3 rated value 35 A operating frequency rated value poperational current at AC-3 at 400 V rated value 35 A operating power at AC-3 at 400 V rated value at 60 Hz rated value	· •	
of the supplied circuit-breakers of the supplied busbar adapter of the supplied link module 3RA2931-1AA00  General technical data  size of the circuit-breaker size of load feeder product extension auxiliary switch resultation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60088-2-27 mechanical service life (operating cycles) of contactor typical type of assignment during sporage of during storage during storage during storage during transport  Alain circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage rated value operating requency rated value operating lower at AC-3  o at 400 V rated value  at 400 V rated value  operating power at AC-3  o at 400 V rated value  at 60 Hz rated value		
of the supplied circuit-breakers of the supplied busbar adapter of the supplied link module 3RA2931-1AA00  General technical data  size of the circuit-breaker size of load feeder product extension auxiliary switch resultation voltage with degree of pollution 3 at AC rated value degree of pollution surge voltage resistance rated value shock resistance according to IEC 60088-2-27 mechanical service life (operating cycles) of contactor typical type of assignment during sporage of during storage during storage during storage during transport  Alain circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage rated value operating requency rated value operating lower at AC-3  o at 400 V rated value  at 400 V rated value  operating power at AC-3  o at 400 V rated value  at 60 Hz rated value	of the supplied contactor	3RT2035-1AP60
of the supplied busbar adapter of the supplied link module 38A2931-1AA00  General technical data  size of the circuit-breaker size of load feeder S2 product extension auxiliary switch Insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value 680 V  degree of pollution 3 surge voltage resistance rated value 6 keV shock resistance according to IEC 60068-2-27 mechanical service life (operating cycles) of contactor typical 10 000 000 1type of assignment 2 Amblent conditions ambient temperature during operation during storage during storage during transport  -55 +80 °C  Main circuit  number of poles for main current circuit design of the switching contact dependent overload release operating voltage rated value at AC-3 rated value maximum 690 V  operating frequency rated value operating requency rated value operating requency rated value 0perating power at AC-3 at 400 V rated value 18 50 Mz rated value 18 50 Mz rated value 220 V at 50 Hz rated value at 60 Hz rated value	• •	
of the supplied link module     General technical data  size of the circuit-breaker     size of toad feeder     product extension auxiliary switch     insulation voltage with degree of pollution 3 at AC rated value     690 V     degree of pollution     3     surge voltage resistance rated value     6 kV     shock resistance according to IEC 60068-2-27     6g / 11 ms     mechanical service life (operating cycles) of contactor typical     type of assignment     2     Ambient conditions  ambient temperature     • during storage     • during storage     • during transport     3     during transport  Main circuit  number of poles for main current circuit     design of the switching contact     dependent overload release  operating voltage     • rated value     • at AC-3 rated value maximum     690 V     • at AC-3 rated value maximum     690 V     operating frequency rated value     • at 400 V rated value     • at 50 Hz rated value     • at 60 Hz rated value		
Size of the circuit-breaker Size of load feeder Size of load feede	·	
Size of load feeder   S2	·	
Size of load feeder   S2	size of the circuit-breaker	S2
product extension auxiliary switch insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 surge voltage resistance rated value shock resistance according to IEC 60068-2-27 g/ 11 ms mechanical service life (operating cycles) of contactor typical type of assignment 2 Ambient conditions  ambient temperature during operation during storage during storage during transport  full design of the switching contact adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value operating requency rated value operating prover at AC-3 at 400 V rated value 18 50 Mz rated value 220 V at 50 Hz rated value 31 S0 Hz rated value 32 U 34 S0 Hz rated value 35 Hz rated value 4 at 50 Hz rated value 31 S0 Hz rated value 4 at 60 Hz rated value 5 at 60 Hz rated value		
insulation voltage with degree of pollution 3 at AC rated value degree of pollution 3 asurge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 6g / 11 ms mechanical service life (operating cycles) of contactor typical 10 000 000 type of assignment 2 Ambient conditions ambient temperature during operation -20 +60 °C -40 uring operation -50 +80 °C -55 +80 °C -55 +80 °C -55 +80 °C -75 +		
degree of pollution   3	•	
surge voltage resistance rated value shock resistance according to IEC 60068-2-27 get / 11 ms mechanical service life (operating cycles) of contactor typical type of assignment 2  Ambient conditions  ambient temperature during operation during storage during storage during transport -55 +80 °C  Alain circuit  number of poles for main current circuit design of the switching contact dependent overload release operating voltage rated value at AC-3 rated value maximum operating frequency rated value operating power at AC-3 eat 400 V rated value 18 500 W  Control circuit/ Control  control supply voltage at AC eat 50 Hz rated value at 60 Hz rated value 220 V eat 60 Hz rated value	• • • • •	
shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles) of contactor typical type of assignment  2  Ambient conditions  ambient temperature  • during operation • during storage • during transport  Adia circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage • at AC-3 rated value maximum  operating frequency rated value  operating power at AC-3 • at 400 V rated value  at 50 Hz rated value  at 50 Hz rated value  at 60 Hz rated value		
mechanical service life (operating cycles) of contactor typical type of assignment  Ambient conditions  ambient temperature		
type of assignment 2  Ambient conditions  ambient temperature  • during operation  • during storage  • during transport  Ambient creuit  number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  operating frequency rated value  operating power at AC-3  • at 40 0 V rated value  25 0 60 Hz  operating power at AC-3  • at 40 0 V rated value  18 500 W  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value		
Ambient conditions  ambient temperature  • during operation • during storage • during transport  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  operating frequency rated value  operating power at AC-3 • at 40 0 V rated value  at 50 Hz rated value  at 50 Hz rated value  at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value		
ambient temperature  • during operation  • during storage  • during transport  -50 +80 °C  • during transport  -55 +80 °C  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  operating frequency rated value  operating requency rated value  operating power at AC-3  • at 400 V rated value  18 500 W  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value		-
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>-50 +80 °C</li> <li>during transport</li> <li>-55 +80 °C</li> </ul> Main circuit number of poles for main current circuit <ul> <li>design of the switching contact</li> <li>electromechanical</li> </ul> adjustable current response value current of the current-dependent overload release <ul> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>operating frequency rated value</li> <li>operating power at AC-3 at 400 V rated value</li> <li>operating power at AC-3</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 50 Hz rated value</li> <li>at 50 Hz rated value</li> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>at 60 Hz rated value</li> <li>at 60 Hz rated value</li> </ul>		
<ul> <li>during storage</li> <li>during transport</li> <li>-55 +80 °C</li> </ul> Main circuit number of poles for main current circuit <ul> <li>design of the switching contact</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>operating frequency rated value</li> <li>operating power at AC-3 at 400 V rated value</li> <li>operating power at AC-3</li> <li>at 400 V rated value</li> <li>at 400 V rated value</li> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> </ul>	•	-20 +60 °C
• during transport     1-55 +80 °C  Main circuit  number of poles for main current circuit     3     design of the switching contact     adjustable current response value current of the current-dependent overload release  operating voltage     • rated value     • at AC-3 rated value maximum     690 V  operating frequency rated value     50 60 Hz  operating power at AC-3     • at 400 V rated value     18 500 W  Control circuit/ Control  control supply voltage at AC     • at 50 Hz rated value     • at 60 Hz rated value     • at 60 Hz rated value     192 264 V		
Main circuit  number of poles for main current circuit  design of the switching contact  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  operating frequency rated value  operating power at AC-3  • at 400 V rated value  18 500 W  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  192 264 V		
number of poles for main current circuit  design of the switching contact adjustable current response value current of the current- dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum 690 V  operating frequency rated value  operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  18 500 W  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value • at 60 Hz rated value		-55 100 0
design of the switching contact  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  operating frequency rated value  operating active at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  18 500 W  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 50 Hz rated value  • at 60 Hz rated value		3
adjustable current response value current of the current- dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  690 V  operating frequency rated value  operating a to AC-3 at 400 V rated value  operating power at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  18 500 W  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 50 Hz rated value  • at 60 Hz rated value	<u> </u>	
dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  690 V  operating frequency rated value  operating frequency rated value  operating power at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  18 500 W  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  220 V  • at 50 Hz rated value  176 242 V  • at 60 Hz rated value  240 V  • at 60 Hz rated value  192 264 V		
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> <li>operational current at AC-3 at 400 V rated value</li> <li>35 A</li> <li>operating power at AC-3  <ul> <li>at 400 V rated value</li> <li>18 500 W</li> </ul> </li> <li>Control circuit/ Control</li> <li>control supply voltage at AC  <ul> <li>at 50 Hz rated value</li> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> </ul> </li> </ul>		02 10 / t
at AC-3 rated value maximum  operating frequency rated value  operational current at AC-3 at 400 V rated value  operating power at AC-3  at 400 V rated value  18 500 W  Control circuit/ Control  control supply voltage at AC  at 50 Hz rated value  220 V  at 60 Hz rated value  176 242 V  at 60 Hz rated value  240 V  at 60 Hz rated value  192 264 V	operating voltage	
operating frequency rated value operational current at AC-3 at 400 V rated value operating power at AC-3 operating power at AC	rated value	690 V
operational current at AC-3 at 400 V rated value  operating power at AC-3  • at 400 V rated value  18 500 W  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 50 Hz rated value  • at 60 Hz rated value	at AC-3 rated value maximum	690 V
operating power at AC-3  • at 400 V rated value  18 500 W  Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 50 Hz rated value  • at 60 Hz rated value	operating frequency rated value	50 60 Hz
<ul> <li>at 400 V rated value</li> <li>Control circuit/ Control</li> <li>control supply voltage at AC         <ul> <li>at 50 Hz rated value</li> <li>at 50 Hz rated value</li> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>at 60 Hz rated value</li> <li>at 60 Hz rated value</li> </ul> </li> <li>at 60 Hz rated value</li> </ul>	operational current at AC-3 at 400 V rated value	35 A
Control circuit/ Control  control supply voltage at AC  • at 50 Hz rated value  • at 50 Hz rated value  • at 60 Hz rated value	operating power at AC-3	
control supply voltage at AC         • at 50 Hz rated value       220 V         • at 50 Hz rated value       176 242 V         • at 60 Hz rated value       240 V         • at 60 Hz rated value       192 264 V	• at 400 V rated value	18 500 W
<ul> <li>at 50 Hz rated value</li> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>at 60 Hz rated value</li> <li>at 60 Hz rated value</li> <li>220 V</li> <li>242 V</li> <li>240 V</li> <li>240 V</li> <li>240 V</li> <li>240 V</li> <li>240 V</li> </ul>	Control circuit/ Control	
<ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>at 60 Hz rated value</li> <li>at 60 Hz rated value</li> <li>240 V</li> <li>at 60 Hz rated value</li> <li>192 264 V</li> </ul>	control supply voltage at AC	
<ul> <li>at 60 Hz rated value</li> <li>at 60 Hz rated value</li> <li>240 V</li> <li>192 264 V</li> </ul>	• at 50 Hz rated value	220 V
• at 60 Hz rated value 192 264 V	at 50 Hz rated value	176 242 V
	at 60 Hz rated value	240 V
40.10	at 60 Hz rated value	192 264 V
apparent noiding power of magnet coil at AC	apparent holding power of magnet coil at AC	16 VA
inductive power factor with the holding power of the coil 0.37	inductive power factor with the holding power of the coil	0.37
Auxiliary circuit	Auxiliary circuit	
number of NC contacts for auxiliary contacts 2	number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts 2	number of NO contacts for auxiliary contacts	2
Protective and monitoring functions	· · · · · · · · · · · · · · · · · · ·	
trip class CLASS 10		CLASS 10
design of the overload release thermal (bimetallic)	•	
response value current of instantaneous short-circuit trip unit 520 A	-	
UL/CSA ratings		

General Product Approval	For use in hazard- ous locations  Declaration of Conformity
Certificates/ approvals	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
protection class IP on the front according to IEC 60529	IP20
proportion of dangerous failures with high demand rate according to SN 31920	73 %
B10 value with high demand rate according to SN 31920	1 000 000
afety related data	
connectable conductor cross-section for main contacts finely stranded with core end processing	1 25 mm²
type of connectable conductor cross-sections for main contacts stranded	1 35 mm², 2x (1 16 mm²)
type of electrical connection for main current circuit	screw-type terminals
onnections/ Terminals	
— at the side	10 mm
— downwards	10 mm
— upwards	50 mm
— backwards	6 mm
— forwards	0 mm
• for live parts	
— downwards	10 mm
— at the side	10 mm
— upwards	50 mm
— backwards	6 mm
— forwards	0 mm
for grounded parts	
required spacing	
depth	208 mm
width	55 mm
height	350 mm
fastening method	for snapping onto 60 mm busbar systems
mounting position	vertical
stallation/ mounting/ dimensions	
at 400 V according to IEC 60947-4-1 rated value	100 000 A
conditional short-circuit current (Iq)	
design of the short-circuit trip	magnetic
product function short circuit protection	Yes
hort-circuit protection	
— at 575/600 V rated value	40 hp
— at 460/480 V rated value	30 hp
— at 220/230 V rated value	15 hp
— at 200/208 V rated value	10 hp
• for 3-phase AC motor	7.0 119
— at 230 V rated value	7.5 hp
— at 110/120 V rated value	3 hp
• for single-phase AC motor	
at 600 V rated value yielded mechanical performance [hp]	40 A
at 480 V rated value	40 A

Confirmation











Test Certificates

Marine / Shipping

## Special Test Certificate











Marine / Shipping other Railway Dangerous Good





Confirmation Vibration and Shock

**Transport Information** 

#### **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2135-4UD35-0AP6

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2135-4UD35-0AP6

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RA2135-4UD35-0AP6

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2135-4UD35-0AP6&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RA2135-4UD35-0AP6/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA2135-4UD35-0AP6&objecttype=14&gridview=view1

last modified:	12/15/2020 🖸